

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s) : NAKAGAWA et. al.  
Int'l Appln. No. : PCT/JP99/04562  
Int'l Filing Date : 24 AUGUST 1999  
Title of Invention : DATA-MODULATING APPARATUS, DATA-  
MODULATING METHOD, DATA-  
DEMODULATING APPARATUS, DATA-  
DEMODULATING METHOD, AND DATA  
PROVIDING MEDIUM

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**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
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Dear Sir:

Enclosed are copies of the publications which were cited in the International Search Report of International Application No. PCT/JP99/04562. Also enclosed is a copy of Form PTO-1449 and a copy of the International Search Report.


526 Rec'd PCT/PTO 21 MAR 2000 PATENT  
450101-02031

Entry of this Information Disclosure Statement and an early examination on the merits are respectfully solicited.

Please charge any additional fees to Deposit Account No. 50-0320.

Respectfully submitted,

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WSF/jm  
Enclosures

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410 Re PCT/PTO 21 APR 2000

Attorney Docket No. 450101-02031

New Patent Application filed **April 21, 2000**, entitled:

DATA-MODULATING APPARATUS, DATA-MODULATING METHOD,  
DATA-DEMODULATING APPARATUS, DATA-DEMODULATING METHOD, AND  
DATA-PROVIDING MEDIUM

corresponding to PCT Application No. PCT/JP99/04562

filed August 24, 1999

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